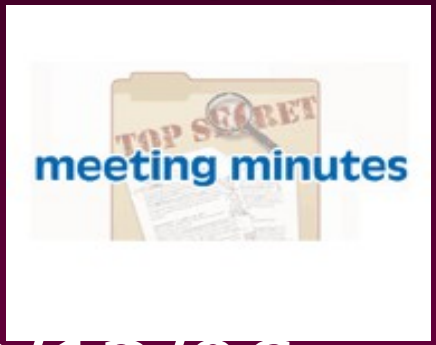
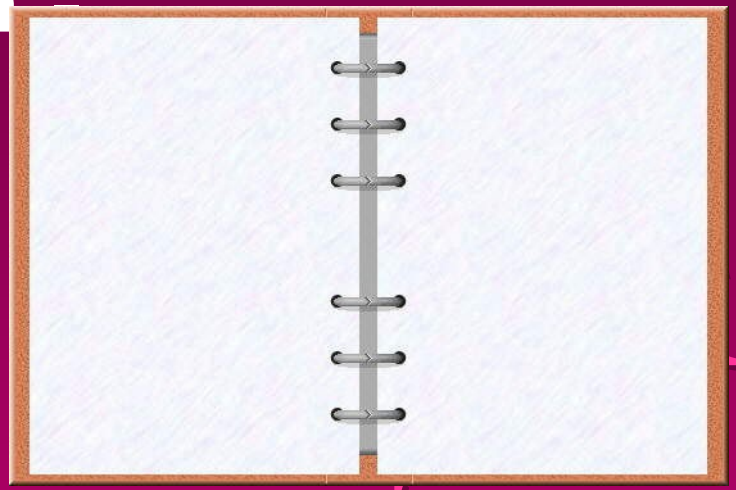
Building 90
Safety Meeting

16 January 2007

Agenda



- Meeting minutes, dated 12/12/06
  - sent via email 12/14/06
- Review of open actions - none
- Topics of the Month
  - Radon Safety
  - Miscellaneous Info
- Questions



Topic of the Day

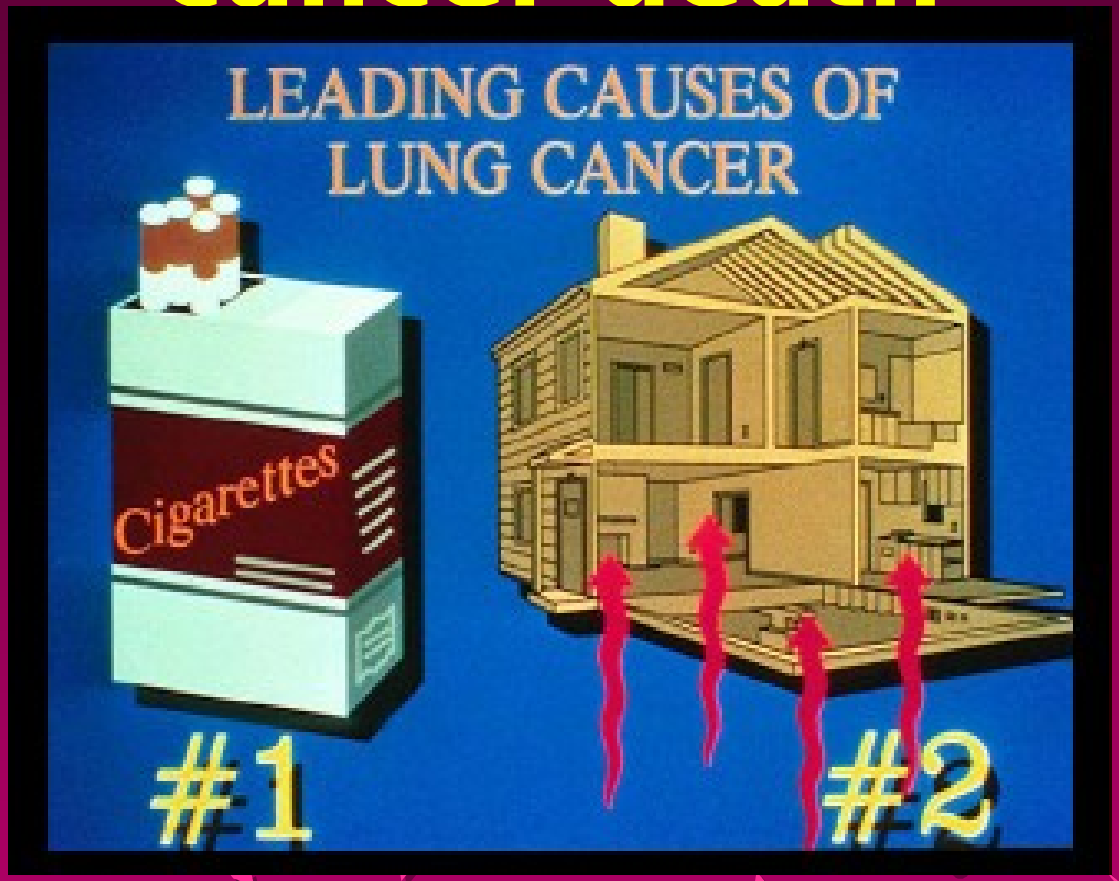
RADON

National RADON Action Month

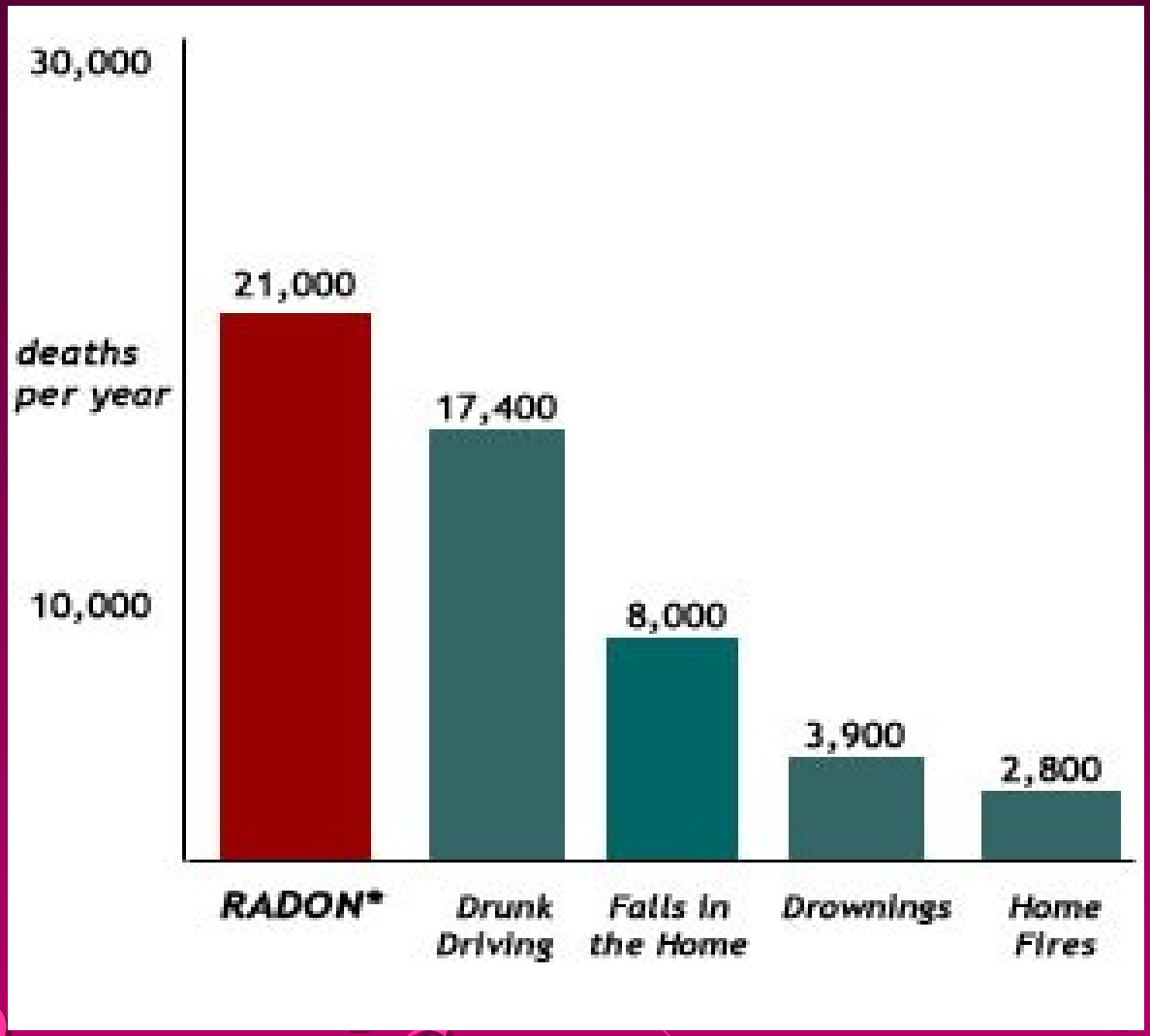
What is Radon?

- A naturally occurring radioactive gas
- Colorless, odorless and tasteless
- Found all over the U.S. in all types of buildings

Radon - 2nd leading cause of lung cancer… and lung cancer death

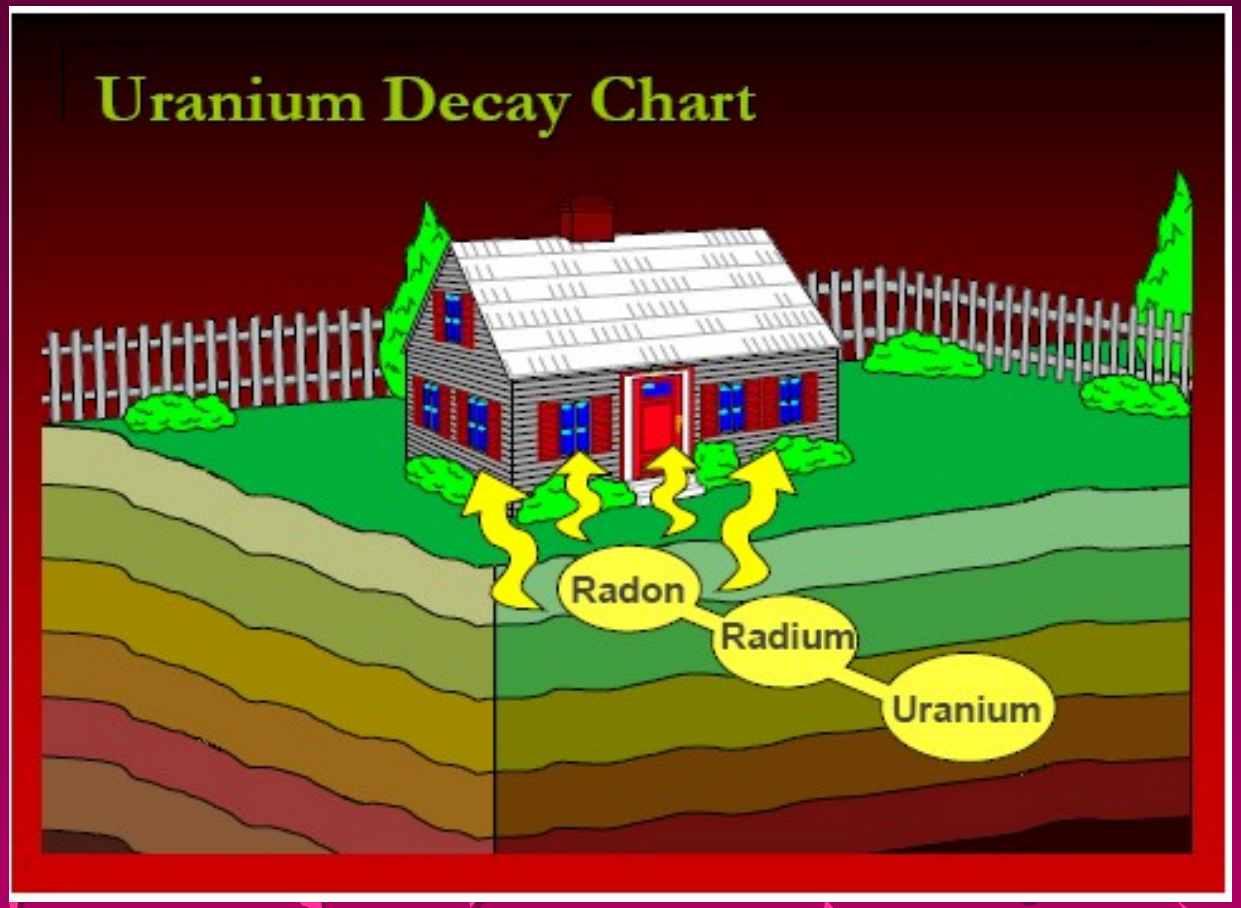


Deaths associated with Radon



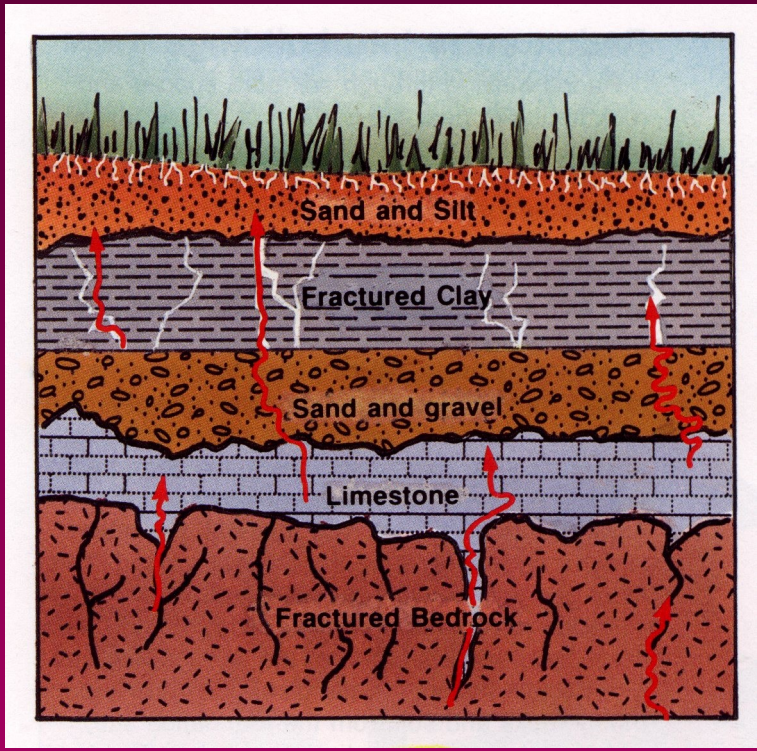
2003 Data

Uranium Decay



How Radon Gets into a Home

- The slightest fissure in surrounding rock is enough to allow radon gas to be released.
- It can penetrate through the solid and move to the surface.
- Radon moves more readily through permeable soils, such as coarse sand and gravel, than through impermeable soils, such as clay.



How Radon Gets into a Home

- 1. Cracks in solid floor
- 2. Construction joints
- 3. Cracks in walls
- 4. Gaps in suspended floors
- 5. Gaps around service pipes
- 6. Cavities inside walls
- 7. The water supply

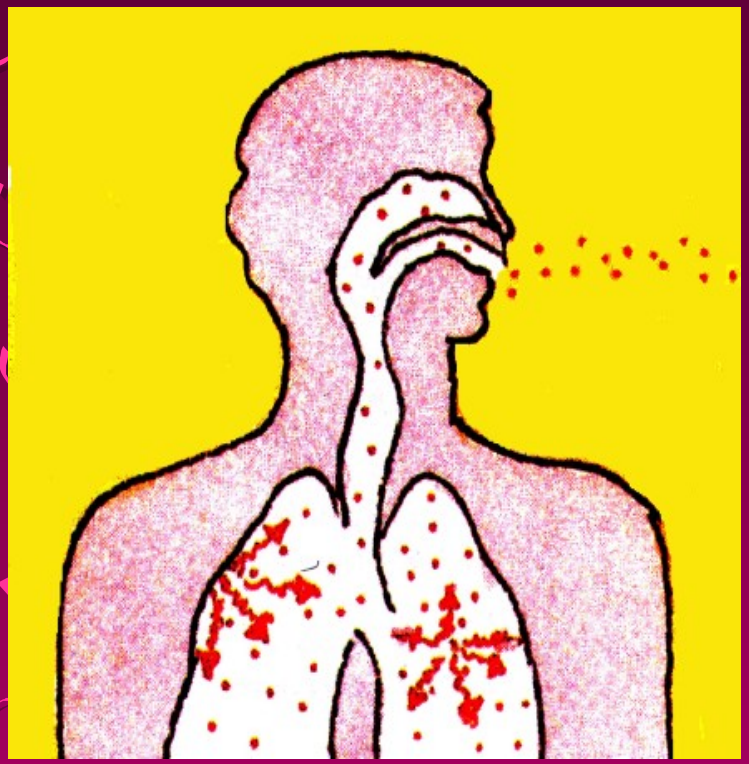
What are the Health Effects?

Breathing air with elevated radon levels can increase your risk of lung cancer

Chances of getting lung cancer depend on:

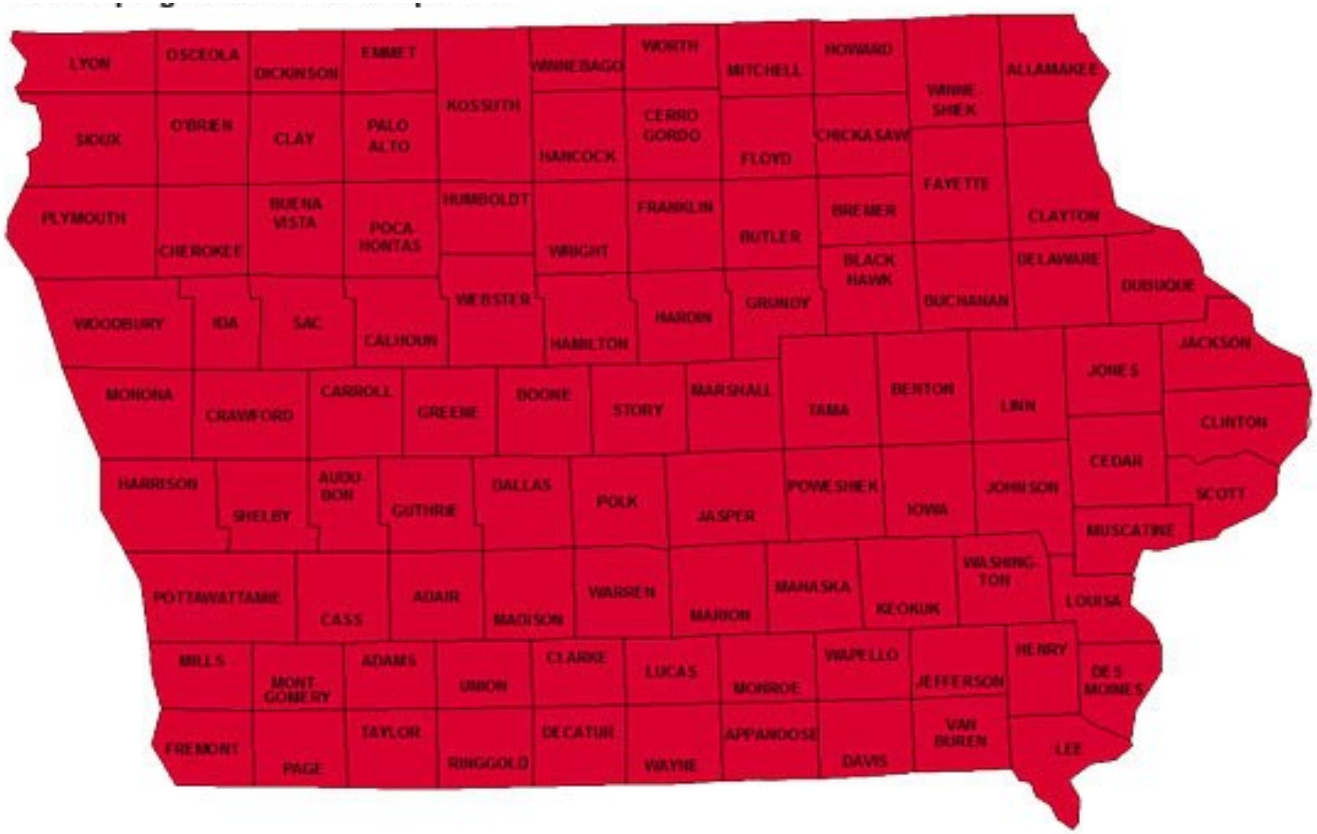
- **How much radon is in your home**
- **The amount of time you spend in your home**
- **Whether you are a smoker or former smoker**

How Radon Causes Lung Cancer



- Inhalation of Radon decay products (alpha particles)
- Alpha particles can penetrate the more sensitive and vulnerable lung tissue

Iowa



Zone 1 Highest Potential (greater than 4 pCi/L)

Zone 2 Moderate Potential (from 2 to 4 pCi/L)

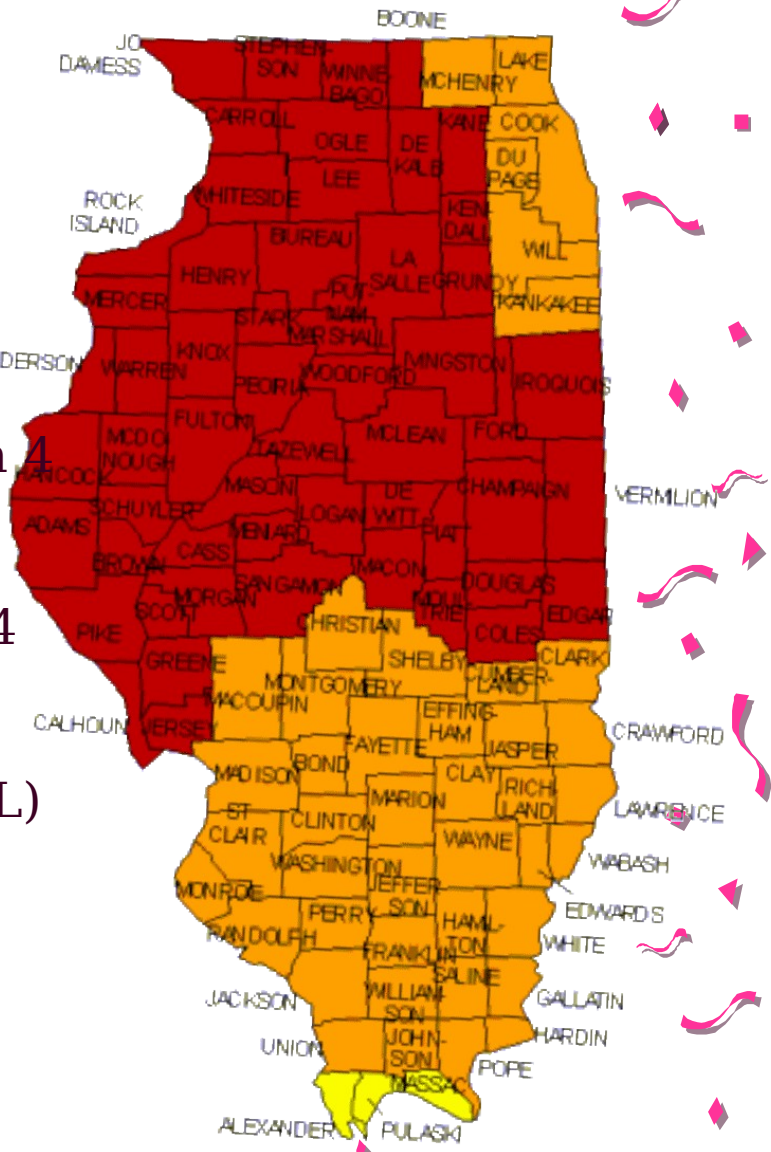
Zone 3 Low Potential (less than 2

Illinois

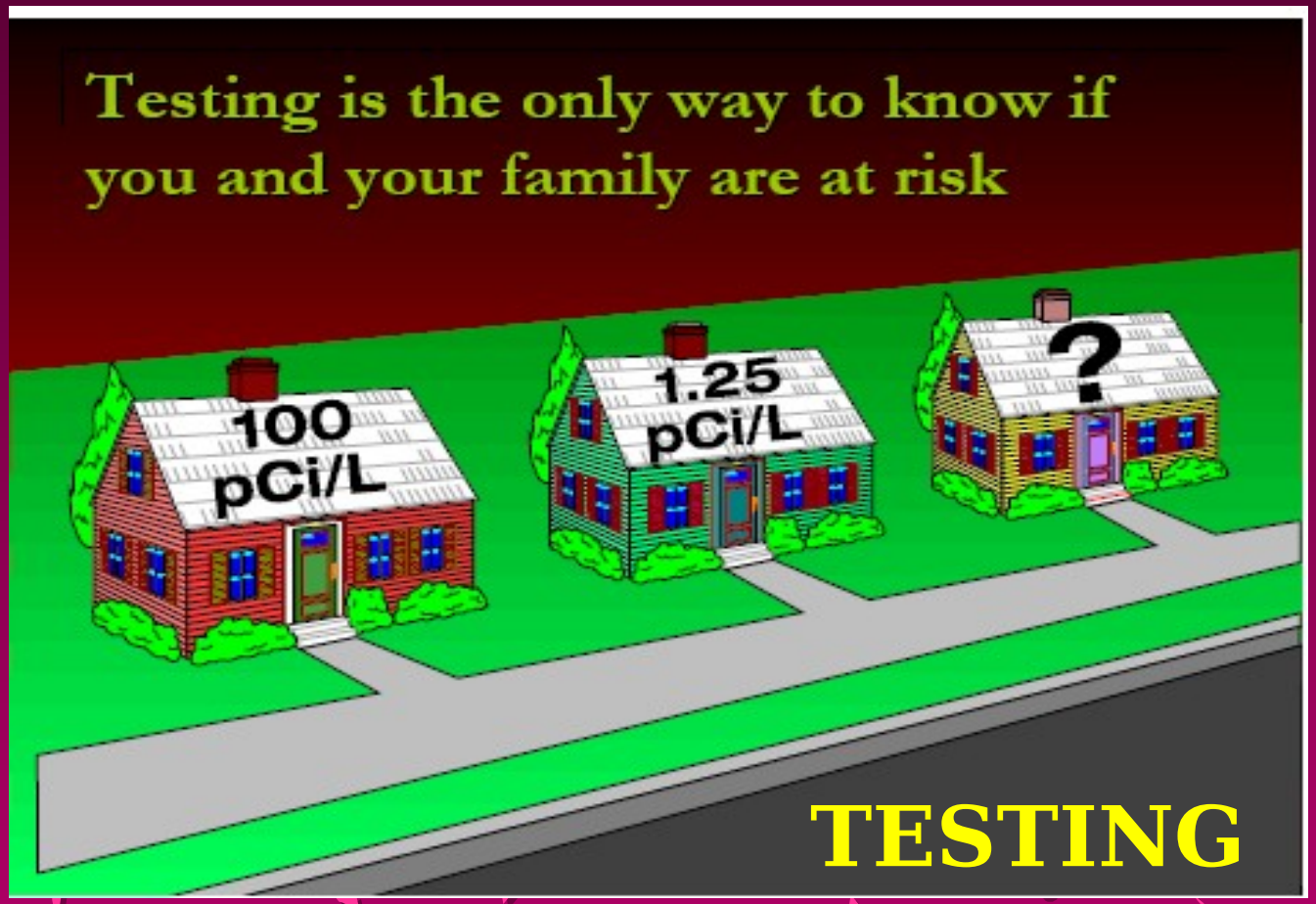
Zone 1 Highest Potential (greater than 4 pCi/L)

Zone 2 Moderate Potential (from 2 to 4 pCi/L)

Zone 3 Low Potential (less than 2 pCi/L)



How Do I Find Out if My Home Has Radon?



Free Test Kits

- **Iowa – Scott County Bldg on W 4th St in Davenport**
- **Illinois – Illinois Emergency Management Agency (IEMA) http://www.state.il.us/iema/radon/radon.htm**
- **Or, test kits may be purchased at most hardware stores**

Radon Test Kits

RADON Testing

- **Short term testing devices**
  - **2 – 7 days**
- **Long term testing devices**
  - **90+ days**
- **Lab costs $5 – 45 (prices fluctuate)**

RADON Testing

- Is measured in picocuries per liter of air (pCi/L), a measurement of radioactivity
- EPA and CDC recommend homes w/radon at 4 pCi/L or higher be fixed
- Consider fixing homes between 2 pCi/L and 4 pCi/L

How Can I Fix My House if it has Elevated Levels?

- Contact a Radon Contractor who can:
  - Install a system to reduce radon levels
  - Prevent it from ever entering the living space
- Contact the Illinois or Iowa Radon Program

Can’t I Just Seal Cracks in the Floor or Open Windows?

- Sealing visible cracks is a basic part of most radon mitigation approached
  - But sealing alone is NOT enough
- Opening doors and windows to dilute the radon may sometimes be effective
  - But it is NOT a practical long-term solution

RADON

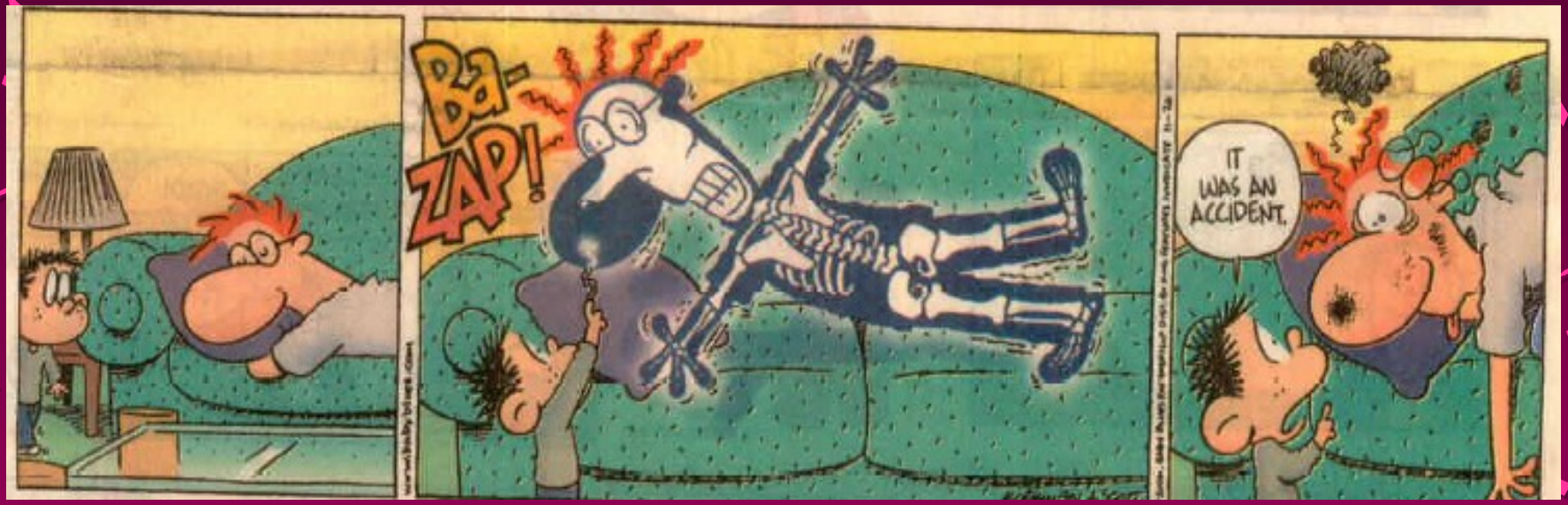
- Cost to repair varies, but also depends on how your home was built
- Average repair is $800 - $2500
- Even new homes should be tested…
- Follow guidance for Radon Testing in homes to assure accurate measurements

Protect Your Family

TEST for RADON!

JOKE of the Day!

Static Electricity



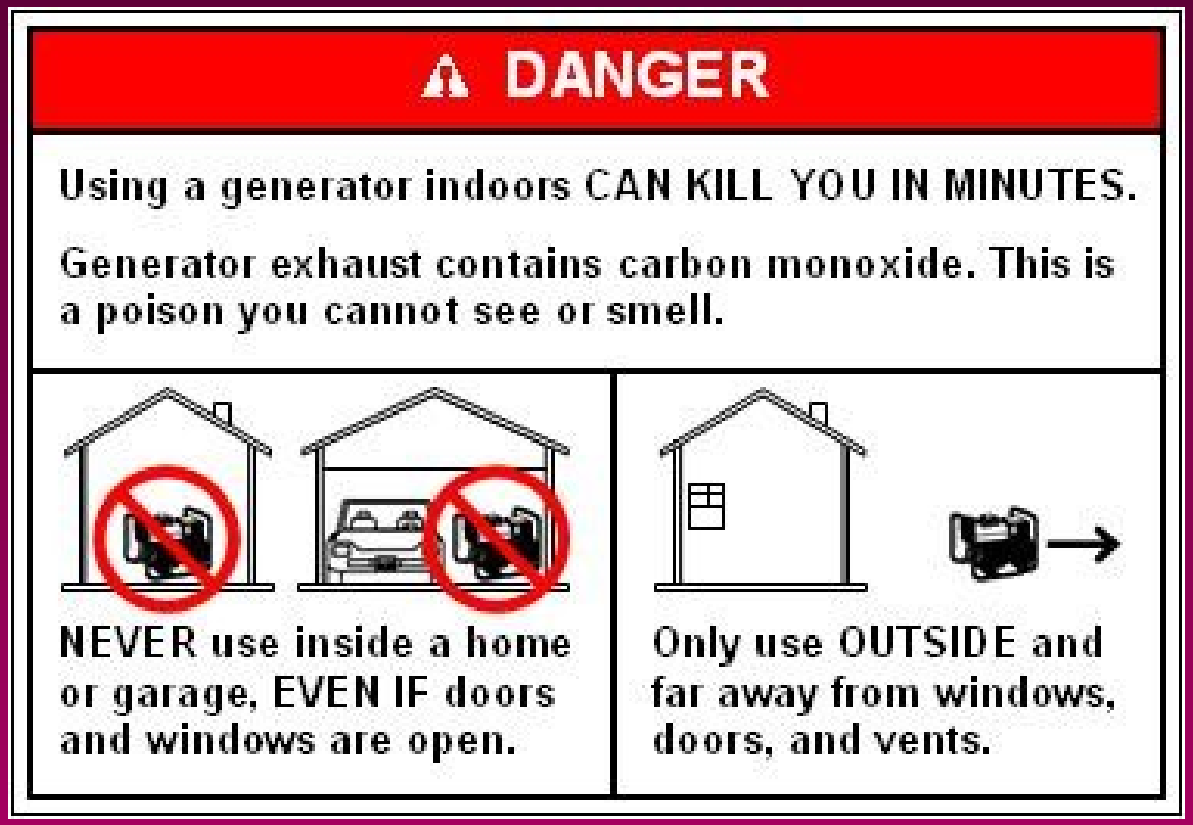
Yeah, right... an accident!

Controlling Static Electricity

- Increase humidity
-
- Change materials
- Moisturize skin
- Ground yourself

MISCELLANEOUS

Generators

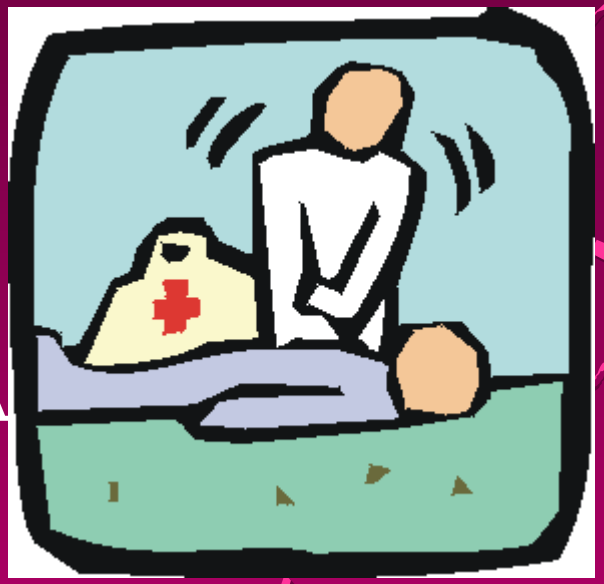

DANGER
Using a generator indoors CAN KILL YOU IN MINUTES.
Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.
NEVER use inside a home or garage, EVEN IF doors and windows are open.
Only use OUTSIDE and far away from windows, doors, and vents.

FIRE

- **Christmas tree fire in Cambridge**
  - **14 year old saved Aunt, but perished hi**

CPR Update

- 15 People responded
- Course scheduled for 24 Jan 07
- 0800 – 1200
- Bldg 90 – 2
- Provided by FPF
- Will be certified by A



Have you seen this sign?

Rock Island Entrance

Davenport Entrance

Moline Entrance

Moline
Gate

SAAR

VS.

SAIR

SAFETY ACCIDENT INCIDENT REPORT (SAIR)

EMPLOYEE INFORMATION		
NAME (LAST, FIRST, MIDDLE INITIAL)	ORGANIZATION / DIVISION	PROJECT (IF APPLICABLE)
PERMANENT JOB CLASSIFICATION / TITLE	JOB CLASSIFICATION / TITLE AT TIME OF INCIDENT	TIME IN CLASSIFICATION / TITLE WHEN INCIDENT OCCURRED

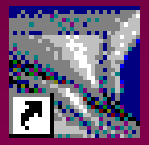
SUPERVISOR INFORMATION		
NAME (LAST, FIRST, MIDDLE INITIAL)	ORGANIZATION / DIVISION	PROJECT (IF APPLICABLE)
PERMANENT JOB CLASSIFICATION / TITLE	AREA OF SUPERVISION AT TIME OF INCIDENT	TIME AS AREA SUPERVISION WHEN INCIDENT OCCURRED

ACCIDENT / INCIDENT INFORMATION		
☐ PERSONAL INJURY	☐ PROPERTY DAMAGE	☐ CLOSE CALL
DATE OCCURRED (MM/DD/YYYY)	TIME OF INCIDENT (00:00 A.M. / P.M.) ☐ A.M. ☐ P.M.	ACFT SHIFT ☐ 1 ☐ 2 ☐ 3
LOCATION OF INCIDENT		
EQUIPMENT/MATERIALS INVOLVED		

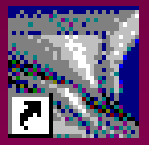
PERSONAL INJURY (CHECK ALL THAT APPLY)		
BODY PART INJURED		
☐ HEAD	☐ ARM	☐ GROIN
☐ FACE	☐ ELBOW	☐ LEG
☐ EYE	☐ WRIST	☐ KNEE
☐ EAR	☐ HAND	☐ ANKLE
☐ NECK	☐ FINGER ☐ THUMB (CHECK ONE)	☐ FOOT ☐ TOE (CHECK ONE)

Safety Accident Incident Report (SAIR)

SAIR Forms



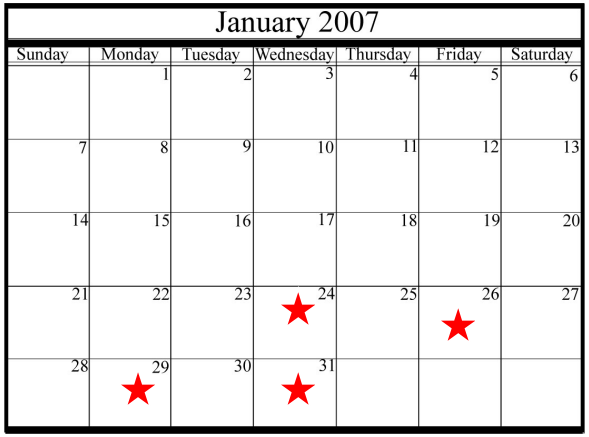
Shortcut to SAIRa.xfdl.lnk



Shortcut to SAIRb.xfdl.lnk

Safety Accident Incident Report

- Form (s) ready to upload in Pure Edge
  - Will have same form #'s (385-8a & 385-8b)
- Intro training provided before use
- Training schedule – WAR Room
  - 24 Jan 07 – 1300
  - 26 Jan 07 – 0800
  - 29 Jan 07 – 1430
  - 31 Jan 07 – 0500



Safety Accident Incident Report

- **Recommended Attendee**
  - **Directors / Office Chiefs**
  - **Division Chiefs**
  - **1st Line Supervisors**
  - **Office Assistants**

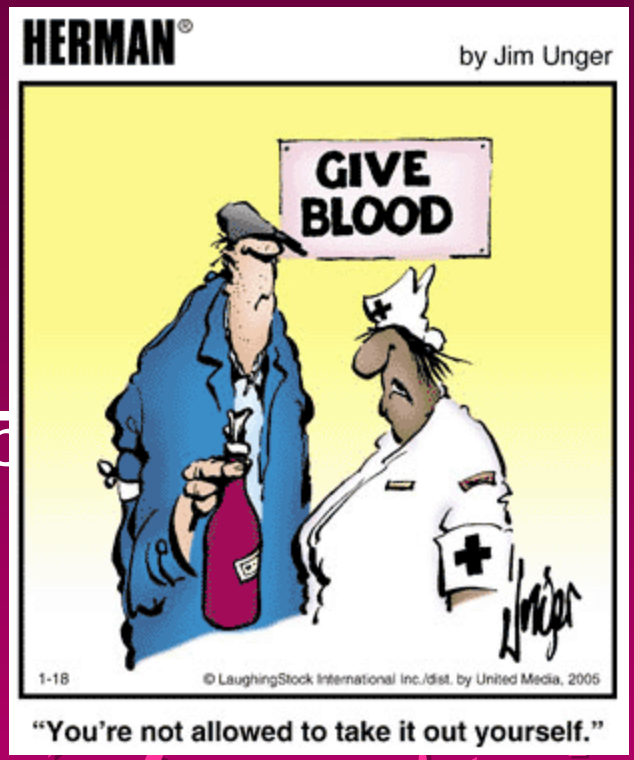
- **Sign up in TED (POC C. Michel 2-1589)**
- **Training provided by Nancy Carlson and Lon Lukavsky**

National Blood Donor Month

Local Blood Suckers…

Mississippi Valley Regional Blood Centers

- Iowa – 359 - 5401
- Illinois – 797 - 3415



“ANOTHER”

S.A.F.E.

Sure Am Fortunate Experience

SAFE

Here's the story…

1

2

3.

An Exciting Christmas Meal

Things that happen to the best of us!

The Ignition Source!

The BOMB!

And the winner is…

Lessons Learned

- Use the correct tool for the job
  - Use snips or releasable nylon ties
- Avoid placing free hand in vicinity of a cutting tool
- Use tool in downward direction
- Discard old, blunt, rusted scissors
- Verify tetanus shot record is current
- Stay focused – turn off the Chipmunks!

Lessons Learned

- Become familiar with appliances before use
- Plan ahead – take out items earlier to thaw
- Avoid using top of stove as countertop
- Stay focused – avoid multi-tasking! Complete one task at a time (cook vs. phone)
- Assure fire extinguisher or other extinguishing means is available to contain stove top fires
- Stay out of the way of flailing arms!

Lessons Learned

- Keep butane lighters away from any heat source
- Avoid using the stove shelf to store objects

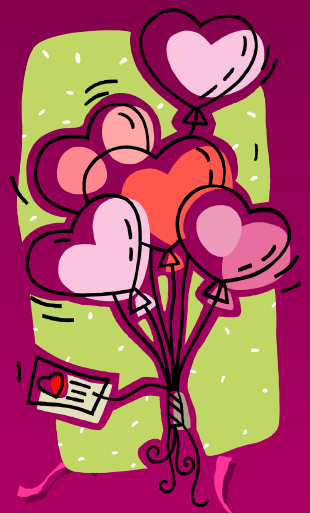
QUESTIONS?

NEXT MEETING

Tuesday, 13 February 2007

1000

Room 25, Bldg 90-2



Happy New Year!